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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/518,483	07/13/2005	Stefan Beichl	038741.55710US	5535
23911 CROWELL & I	7590 06/23/200 MORING LLP	EXAMINER		
INTELLECTU	AL PROPERTY GRO	LEE, GILBERT Y		
P.O. BOX 1430 WASHINGTO	0 N, DC 20044-4300	ART UNIT	PAPER NUMBER	
			3673	
			MAIL DATE	DELIVERY MODE
			06/23/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary		Application	plication No. Applicant(s)						
		10/518,483		BEICHL ET AL.					
			Examiner		Art Unit				
			GILBERT Y	. LEE	3673				
 Period for	The MAILING DATE of this commun Reply	nication appe	ears on the o	cover sheet with the c	orrespondence ac	idress			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).									
Status									
1)⊠ 5	Responsive to communication(s) file	ed on 19 Mar	v 2008						
'=	Responsive to communication(s) filed on <u>19 May 2008</u> . This action is FINAL . 2b) This action is non-final.								
′=		<i>,</i> —			secution as to the	e merits is			
· —	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
	n of Claims		•	,					
		the annlicat	tion						
-	Claim(s) 1 and 3-6 is/are pending in the application.								
	4a) Of the above claim(s) <u>6</u> is/are withdrawn from consideration.								
·	5) Claim(s) is/are allowed. 6) Claim(s) <u>1 and 3-5</u> is/are rejected.								
· · · · ·									
•	Claim(s) is/are objected to. Claim(s) are subject to restric	otion and/or	alastian rad	uiromont					
ا ال	daini(s) are subject to restric	ction and/or t	election rec	juliement.					
Applicatio	n Papers								
9)☐ The specification is objected to by the Examiner.									
10) <u></u> ⊤I	ne drawing(s) filed on is/are	: a) <u>□</u> accep	pted or b)⊑	objected to by the B	Examiner.				
А	pplicant may not request that any obje	ection to the dr	rawing(s) be	held in abeyance. See	e 37 CFR 1.85(a).				
R	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11)∐ TI	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority un	der 35 U.S.C. § 119								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 									
2) Notice (3) Informa	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (Fation Disclosure Statement(s) (PTO/SB/08) No(s)/Mail Date	PTO-948)		I) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 5) Other:	nte				

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 5/19/08 has been entered.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1 and 3-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hoffelner et al. (DE Patent No. 3,507,638) in view of Marnot (US Patent No. 6,152,454).

Regarding claim 1, the Hoffelner et al. reference discloses a sealing arrangement (Fig. 1c) for sealing a gap between two components (Fig. 1c) which can move rotationally with respect to one another about a common axis (e.g. axis of conical shaft in Fig. 1c), having a brush seal (e.g. 4) that interacts with a sealing surface (e.g. surface of conical shaft in Fig. 1c in contact with brush seal) of the second component, wherein

the sealing surface is a surface of a shaft end of the second component which is conical in form (Fig. 1c), including a brush seal having a first and second backing plate (Fig. 1c).

However, the Hoffelner et al. reference fails to explicitly disclose a first component, the first component being axially displaceable and adjustable with respect to the second component, the first component being disposed axially adjacent to the second component shaft end, and means for axial displacement and adjustment being provided between the first component and a casing surrounding the first component, such that when the first component is axially displaced, the brush seal is axially displaced relative to the second component.

The Marnot reference, a seal arrangement for rotatable members, discloses a first component (10), the first component being axially displaceable and adjustable with respect to the second component (2) the first component being disposed axially adjacent to the second component shaft end (Fig. 2), and means for axial displacement and adjustment (e.g. 13, 13a, 9, 14a) being provided between the first component and a casing (e.g. 8) surrounding the first component, such that when the first component is axially displaced, the brush seal is axially displaced relative to the second component (Fig. 2).

It would have been obvious to one of ordinary skill in the art at the time of the invention to provide a first component and axial displacement and adjustment means to the Hoffelner et al. reference in view of the teachings of the Marnot reference in order to prolong the life of the sealing element.

Regarding claim 3, the Hoffelner et al. reference, as modified in claim 1, discloses the means for axial displacement and adjustment comprising a sliding seat (Ingistov, e.g. 54), an adjustment nut (e.g. 32') which is fitted into the casing (18) and a displacement screw thread (e.g. threads on element 50) cut into the first component.

Regarding claim 4, the Hoffelner et al. reference, as modified in claim 1, discloses the axial displacement being controlled by at least one threaded connection (e.g. 50 and threads in element 32') between one of the components (e.g. 48) and a casing (e.g. 32') which receives said component.

Regarding claim 5, the Mayr et al. reference discloses the axial displacement being controlled by a mechanical adjuster (e.g. 50).

Response to Arguments

3. Applicant's arguments with respect to claims 1 and 3-5 have been considered but are most in view of the new ground(s) of rejection.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to GILBERT Y. LEE whose telephone number is (571)272-5894. The examiner can normally be reached on 8:00 - 4:30, M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patricia L. Engle can be reached on (571)272-6660. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Patricia L Engle/ Supervisory Patent Examiner, Art Unit 3673

/G. Y. L./ Examiner, Art Unit 3673